

WE  
M753i  
1866

**NATIONAL LIBRARY OF MEDICINE**  
**Washington**



**Founded 1836**

**U. S. Department of Health, Education, and Welfare**  
**Public Health Service**





MONROE & GARDINER'S

IMPERISHABLE RAW HIDE

ARTIFICIAL LIMBS.

PATENTED

March 15 and October 11, 1864. and July 25, 1865.

---

THE LIGHTEST, STRONGEST, AND MOST DURABLE  
OF ANYTHING OF THE KIND EVER INVENTED.

THE BODY OF THE LEG, THE JOINTS AND  
TENDONS, IN FACT THE WHOLE  
STRUCTURE IS SOMETHING  
ENTIRELY NEW AND  
SIMPLE.

Office and Manufactory, No. 432 Broome Street.

(CORNER OF CROSBY STREET,)

NEW YORK.

---

NEW YORK :

MACDONALD & STONE, PRINTERS, No. 43 CENTRE ST.

1866.



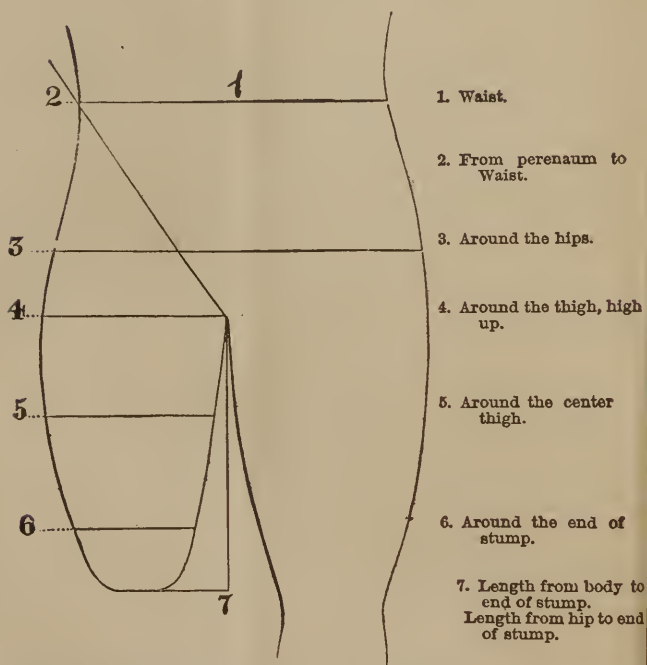


## Measurement for an Attachment in Amputation above the Knee.

---

*Care should be taken to measure as near as possible,  
as marked on the diagram, not too  
tight or too loose.*

---



Remove this page and send the measure to us upon it.



*Monroe and Gardiner, New York*  
...

MONROE & GARDINER'S

IMPERISHABLE RAW HIDE

ARTIFICIAL LIMBS

PATENTED

March 15 and October 11, 1864. and July 25, 1865.

---

THE LIGHTEST, STRONGEST, AND MOST DURABLE  
OF ANYTHING OF THE KIND EVER INVENTED.

THE BODY OF THE LEG, THE JOINTS AND  
TENDONS, IN FACT THE WHOLE  
STRUCTURE IS SOMETHING  
ENTIRELY NEW AND  
SIMPLE.

*413 Canal*

Office and Manufactory, No. 432 Broome Street.

(CORNER OF CROSBY STREET.)

NEW YORK

---

NEW YORK :

MACDONALD & STONE, PRINTERS, No. 43 CENTRE ST.

1866

WE  
M753i  
1866

# MONROE & GARDINER'S

## IMPERISHABLE

### RAW HIDE ARTIFICIAL LIMBS.

---

IN offering our Artificial Raw Hide Limbs to the unfortunate; we do not claim that they are equal to the natural ones, but we do claim that they are far superior to all others now in use. Their extreme lightness is a great consideration. The body of the leg, being of raw hide, is very tough and strong, and cannot be broken by being used as a limb, and will stand more strain and hard usage than any artificial leg ever before manufactured, and are about one-third lighter. You may throw them around as you would an old boot. They are not easily broken.

In the first place, a cast is taken from the stump; the hide is then molded on the cast, and completely hardened by our process before it is removed; this forms a socket for the stump, whereby you get a more perfect fit than can be obtained in any other manner whatever, and still leaves a space between the socket and the exterior of the leg for circulation of air; we use sockets in all cases. The leg is made the shape and size of the natural one, or as near as possible so to do. The joints are all metal, made of composition or malleable iron, working on cast-steel bolts running through the knee and ankle, and very strong; are no

way controlled by a catgut tendon running from knee to ankle joint; each one is separate and distinct from the other, and are constructed in a manner not liable to get out of repair. These joints are firmly secured to blocks of wood by screws and bolts, crossing each other at right angles; said blocks are of a dovetail shape, secured by the hide being shrunk on them, strongly cemented, and fastened with hickory pins, therefore it is not possible to draw them out. The tendons are also metal, consequently not always shrinking and swelling with dampness, and also forming a complete stop to the joints.

They are all made to one pattern, and can be replaced by almost any person.

The apparatus, or attachment for fastening the leg to the stump, is far superior to anything of the kind ever before used. We care not how short the stump, or if none at all, we can secure a leg that can be worn and used successively; we have them walking the streets without even a cane. For riding on horseback our attachment is just the thing for keeping the leg in its proper position.

We meet many soldiers in the streets on crutches. Ask them why they do not get a leg, they answer you by saying, "We have one." "Why do you not wear it?" "My stump is so short I cannot." Hundreds of soldiers that have the legs of other makers are in this situation. We have the best apparatus for that purpose and said to be by the best surgeons in the country. In amputations below the knee, where the

stump is of sufficient length, we secure a limb with our new fastening, thereby saving some two pounds' weight, we think quite a consideration.

On reading the circulars of other leg makers we find no certificates from persons having very short or no stumps at all; neither can they be worn and used successfully without our attachment. Every person we have met in that condition tells the same story. We have legs in our possession given us by persons having six-inch stumps, and not able to wear them even at that.

We have made a leg for a child only three years old, another for a boy nine years old. The parents are very much pleased with them. The beauty of it is, they can be spliced with little expense as the child grows, and can be used several years without getting a new one. Another advantage in our leg is, as the size of the stump often changes, we can introduce a new socket to fit at any time.

We make arms and hands of the same material, (Raw Hide), very light and strong.

(Partial payment is expected on receiving the order.)

Call on us before ordering elsewhere; we are sure you will not go away dissatisfied.

When we are not at fault, we charge for repairs merely enough to cover expenses, no extortion.

#### PRICES.

For Artificial Legs for Civilians, . . .	\$100
For Soldiers, . . . . .	75
For Arms, . . . . .	from 50 to 75
Soldiers furnished on Government Order.	

### A GOLD MEDAL

And Diploma were awarded by the Albany County Agricultural Society to

MONROE & GARDINER,

For the lightest, most perfect, and durable Artificial Limbs, at the Annual Exhibition of 1864.

L. G. TEN EYCK,  
*President.*

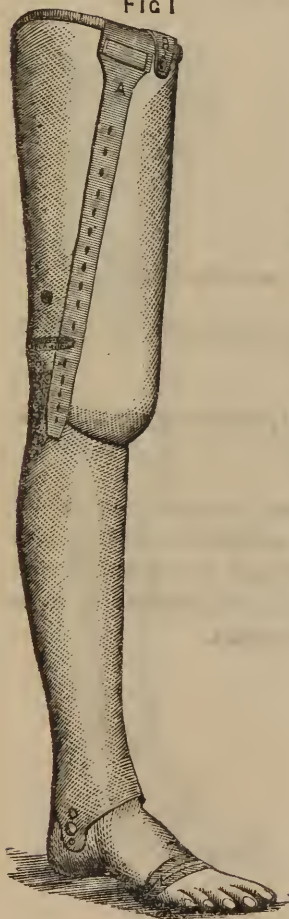
J. M. BAILEY,  
*Secretary.*

*(From the Polytechnic Association, American Institute, November 10, 1864.)*

Mr. Joshua Monroe exhibited several models of his invention, recently patented. Its principal novelty is the material of which it is manufactured, raw-hide, prepared and shaped like the human leg. It is very light and strong. The knee-joint is a double-lap joint. The whole leg weighs, when finished, four pounds. The hide is first baked in an oven to take out the surplus animal matter, and then receives several coats of enamel. The old way of fastening these limbs was by a strap over the shoulder, but with this appendage a person having only an inch of stump can have it, fastened as firm as though the stump were six inches in length. It is not as heavy as a gutta-percha limb; there is probably not over three-quarters of a pound of wood in the whole. Instead of softening the skin, perspiration made it harder. Willow wood is dispensed with in this leg. The cost, all complete, is about one hundred dollars.

Fig. 1. A full limb for amputation above the knee.

FIG 1



Letter A is a strap by which the stump is drawn into the socket.

Letter B is an elastic regulator for adjusting the limb, so as to bring the toe in or out as the wearer chooses. Also, to bring the limb forward without exertion while walking.

Letter C is a spring catch to fasten firmly the attachment strap.

Letter D, ankle-joint.

Letter E, toe-joint.

FIG 2

Fig. 2. Back view of whole limb.



Letter F, metallic joint.

Letter G, upper metallic tendon and stop.

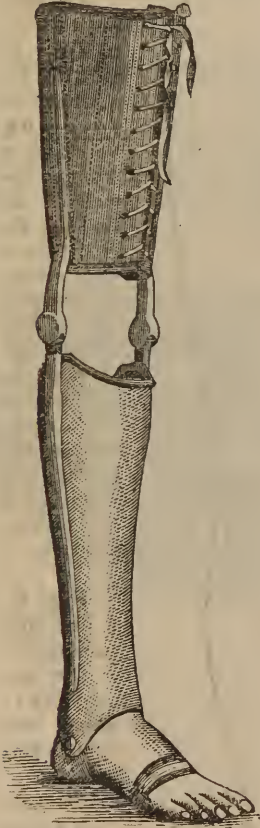
Letter H, attaching-cord of the knee-spring.

The lower tendon is of strong catgut and secured by an iron bolt at the small part of the ankle, constructed in such a manner as to be easily taken apart.



**Fig. 3.** Limb for amputation below the knee.

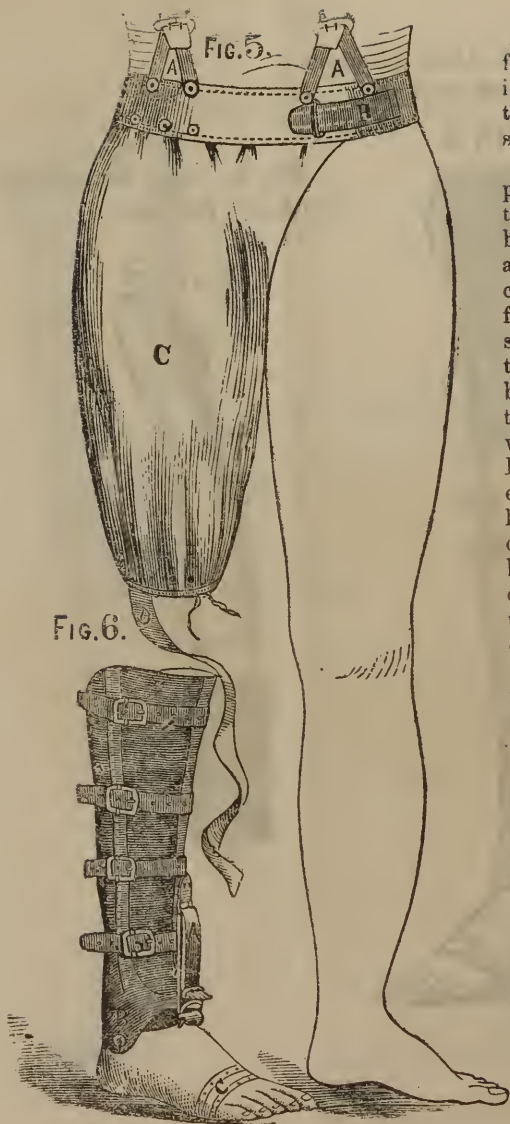
**FIG 3**



**Fig. 4.** Arm for amputation below the elbow.

**FIG 4**





**Fig. 5.**  
Apparatus  
for attach-  
ing a limb  
to the  
stump.

AA, sus-  
pensors at-  
tached to  
belt B. C,  
a trunk or  
covering  
for the  
stump, at-  
tached to  
belt, B,  
together  
with strap,  
D, connect-  
ed at the  
lower end  
of trunk, C,  
by means  
of a disk,  
thereby se-  
curing the  
stump in  
its proper  
position.

**Fig. 6.**  
A limb for  
amputation  
at the an-  
kle-joint,  
called the  
Syme's am-  
putation.

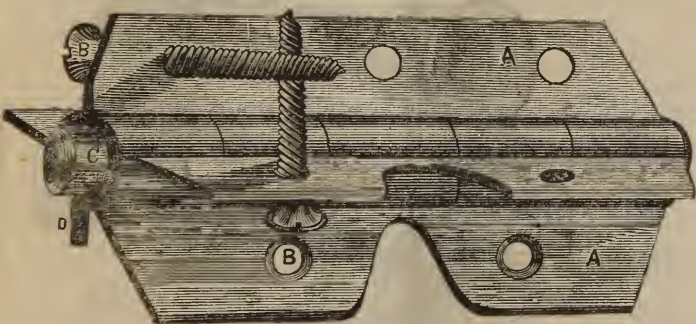
Letter A,  
elastic  
spring for  
ankle-joint.

Letter B,  
ankle-joint.

No. 1. Metallic double-flap joint, running the whole width of the knee.

AA, flaps, BB, screws for fastening the joint to the upper and lower sections of the limb. C, cast-steel bolt. D, small screw to prevent the bolt from coming out.

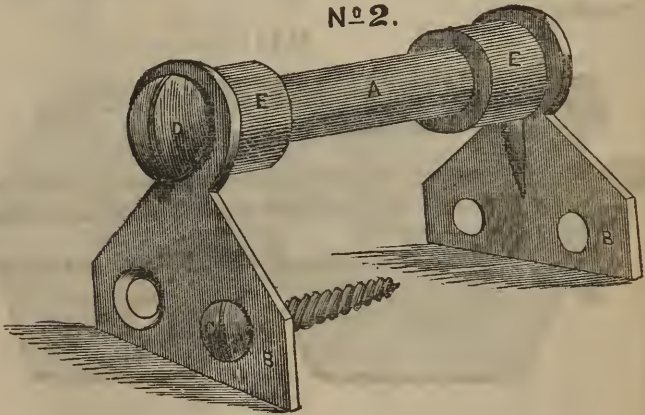
No 1



### No. 2. Ankle-joint.

A, cast-steel bolt, running through composition boxes, EE. D, screw for securing the bolt in its place, BB, dovetail flanges, attached to boxes, EE, firmly secured to the foot by screws, C.

No 2.



## See the following Certificates.

Hear what Messrs. Wells & Walber, Leg Makers in this city, say of it :

### NEW ADJUSTMENT FOR ARTIFICIAL LIMBS.

We call particular attention to Dr. J. Monroe's Newly Invented Attachment for artificial limbs, which is one of the greatest improvements of the age, and renders the artificial limb almost equal to the natural, from its peculiar adaptation to the stump, together with its connection to the artificial limb. The method has been applied to Major-Gen. D. E. Sickles' leg with the most beneficial results, this being the first patent ever obtained for attaching and adjusting artificial limbs.

WELLS & WALBER,

429 Broadway, N. Y.

ALBANY, February 29, 1864.

I have examined Mr. Monroe's method of fastening artificial limbs, and think very favorably of it. From the model he has shown me, it seems to be an improvement worthy of trial and experiment.

J. H. ARMSBY,

Albany Medical College.

ALBANY, March 1, 1864.

I have carefully examined the attachment or mode of fastening artificial limbs as adopted by Joshua Monroe, and believe it to be the best heretofore adopted, for the following reasons :

1st. The peculiar manner in which the limb is fastened to the stump, and drawn into the socket, obviates slipping, dropping, swinging, and other defects which are apparent in the old forms of fastening.

2d. The peculiar manner of fastening the limb by means of a trunk, which fixes the muscles and draws or elongates them over the end of the bone, thereby obviating spasm and pressure upon the sensitive cut end of the bone.

3d. It transfers the weight of the body to the whole surface of the limb, rather than apply it to one part.

4th. It gives a lever which comes more nearly to the natural limb than any other I have seen. For these reasons, and others which I could mention, I judge this the most important appendage which has at any time been applied to artificial limbs.

I am respectfully,

JOHN SWINBURN, M.D.

Dr. Swinburn is now Health Officer on Staten Island.

No. 795 BROADWAY, New York.

From the examination I have given to the apparatus of Mr. Monroe, for the purpose of securing in position an artificial limb, I should think it an exceedingly useful and beneficial contrivance.

LEWIS A. SAYRE, M.D.

MAY 18, 1864.

I have carefully examined the artificial leg, made by Joshua Monroe, and I have no hesitation in pronouncing it the most perfect apparatus in existence ; and for the following reasons, it especially recommends itself to the consideration of the public :

- 1st. Its extreme lightness.
- 2d. Its strength and durability.
- 3d. The manner in which its joints are constructed and arranged.
- 4th. The material from which it is made, not being perishable.

JOHN SWINBURN, M.D.

Health Officer, Staten Island.

NEW YORK, May 25, 1864.

I have recently examined the artificial leg invented by Dr. Monroe, of this city. It has several peculiarities which seem to be positive improvements on the limbs heretofore in most general use. The material used in the construction is altogether novel, and possesses greater durability and lightness than any kind of wood of which other limbs are usually made. The manner, also, in which the joints are arranged, promises the advantage of continued use, without the necessity of frequent repair. Since the introduction of the Palmer and Hudson limb, Dr. Monroe's invention alone merits any consideration which is worthy of notice, all others which I have seen being mere imitations of their leg, without any material improvement. Monroe's leg differs mainly from Palmer's in its greater lightness, and being apparently of a more durable material, and, on this account I believe it is likely to supercede other inventions of a similar character.

J. M. CARNOCHAN,

Surgeon-in-Chief to the State Hospital,

Prof. of Chemical Surgery, &c.

No. 2 GROVE ST., N. Y., June 1, 1864.

This is to certify that I have examined Dr. Monroe's artificial limbs, and I unhesitatingly pronounce them far superior to any I have seen in lightness, durability of material, construction of joints, and the new and complete method of attaching them to the stump. I take pleasure in recommending them to the public. I shall use them and none other in my practice.

B. W. KING, M.D.

ALBANY, June 11, 1864.

I have examined an artificial leg, manufactured by Dr. J. Monroe, and do not hesitate to say, that I think it is the most perfect, and best calculated to fulfill the purposes of any artificial limb, of any mechanism of the kind with which I am acquainted. Its specific merits need not be detailed, since, by a brief inspection of its structure, they will readily be observed.

ALDEN MARCH,  
Albany Medical College.

---

I cordially concur with Dr. March in the above.

J. H. ARMSBY,  
Albany Medical College.

---

I fully concur in the opinion expressed by Dr. Marsh, in regard to the merits and advantages of the artificial leg invented by Dr. Monroe.

JAMES McNAUGHTON, M.D.,  
Prof. of Medicine, Albany Medical College.

---

ALBANY, June 13, 1864.

I concur in the opinion above expressed, and would be pleased to see the limb introduced generally.

J. G. P. QUACKENBUSH,  
Surgeon-General, State of New York.

---

ALBANY, June 11, 1864.

I have carefully examined the artificial limb of Dr. Monroe, and it is certainly, in design and execution, the most perfect I have seen. Its extreme lightness, strength; its simple, but ingenious joints: and, indeed, the whole mechanism of the leg makes Dr. Monroe one of the benefactors of his race.

MASON F. COGSWELL, M.D.

---

ALBANY, September 1, 1864.

DR. J. MONROE:

Dear Sir—Personal experience enables me to say that your new raw-hide leg is far superior to any I have seen. It is so much lighter, stronger, and promises to be much more durable than the heavy wooden leg I have been wearing, manufactured by one of the best leg makers in New York. I have been obliged to throw it aside, for the reasons above stated. I have worn yours now, I think, about five months.

Yours, respectfully,

W. S. WALKER.



SARATOGA SPRINGS, July 23, 1865.

We have carefully examined the artificial leg made by Mr. Monroe, and judge it to be superior to any yet presented to the public.

JOHN L. PERRY, M.D.  
J. L. PERRY, Jr., M.D.

NEW YORK, August 18, 1865.

MESSRS. MONROE &amp; GARDINER :

*Gents*—After wearing the raw hide leg, made for me some eight months since, I think I am in duty bound to say that it gives perfect satisfaction. I doubted at first whether I should be able to obtain one that I could use even with crutches, owing to the fact that I have no stump left. Some of the wooden leg makers so stated to me. I was sent by the medical director, Dr. McDougal, to Mr. Selpho, who made one which I now have, and have never been able to wear it; I could not move with it even with crutches. The peculiar manner of attaching your leg to the stump, or the body where there is no stump, I think much of, in fact no person with a very short stump can walk without your attachment. I have seen legs of different makers, but none that equal yours; they are one-third lighter than most of the legs in use, and in my opinion none as strong. I could mention several that have thrown the wooden legs aside and are wearing yours. Were it generally known, you would have plenty of customers. I really hope you will succeed in your undertaking to relieve the distressed.

Yours, &amp;c.,

ALBERT BAUR,  
Formerly 1st Serg't Co. A, 102d N. Y. Vol.

ANNAPOLIS, MD., February 23, 1866.

MESSRS. MONROE &amp; GARDINER ;

*Gentlemen*—The leg you made for me has exceeded my anticipations. I am now enabled to walk with great comfort, and some persons say that I am able to ride with it as well as I ever did. I always put it on as soon as I rise, and do not remove it until I retire at night. My stump was so exceedingly tender that I was fearful that I could not get a leg made that would be light enough, and at the same time sufficiently durable. You have, however, overcome this difficulty. The tendon and fastenings of your leg are better, I think, than any I have ever seen. I cheerfully recommend your leg to all who have been so unfortunate as to require an artificial one.

I am, gentlemen, very respectfully,

J. B. MCINTOSH,

Brevet Major-General.

CAMP RANDALL, MADISON, WIS., April 30, 1865.

MESSRS. MONROE &amp; GARDINER :

The leg you made for me last month works to a charm. I put it on and went back to duty in three and a half months after my leg was knocked off. I consider



myself now, at the end of four and a half months, almost as good as new. A friend of mine who has lost both legs below the knee wants a pair of them.

C. N. MOORE,  
Lieutenant 15th Ohio Light Battery,  
and A. A. C. S., Camp Randall.

NEW YORK, January 4, 1866.

MESSRS. MONROE & GARDINER :

*Gents*—Although unsolicited, I think I am in duty bound to say that I have worn the raw hide leg you made for me about six months, and I am perfectly satisfied with it. I would not exchange it for any leg I have yet seen, and I have seen those of almost every leg maker in the country. It is lighter, stronger, and to all appearance more durable than any other leg manufactured. I have seen others that have worn them, and they are all of the same opinion. I have seen one person wearing one made by you that has no stump at all, and has worn it now one year with perfect satisfaction ; he had a Government leg, but could not walk with it. I consider the attachment for fastening the leg to the stump very superior, and in fact a leg cannot be fastened to a short stump satisfactorily without it. The leg is simple in its construction, and I would recommend it to all who have been so unfortunate as to lose a limb.

Yours, &c.,

PH. REIMHERR,

167 Essex Street, N. Y.

OFFICE OF THE SECRETARY OF THE STATE }  
OF NEW YORK, February 26, 1866. }

MESSRS. MONROE & GARDINER :

*Sirs*—I have worn one of your raw hide legs more than a year. It far exceeds my expectations. For lightness and durability it cannot be beat. Whoever uses it and tests its merits will add testimony to its superiority. I am happy in being able to recommend it to any one whose misfortune renders such a substitute necessary—a limb which has thus far served me so well, and promises to meet future exigencies.

Yours, &c.,

JOHN CAVENAUGH.

NYACK, December 20, 1865.

MESSRS. MONROE & GARDINER :

*Gents*—I have worn the leg you made for me for the last six months. I think it is the best I have ever seen, it is so much like the natural one. I like it the best for many reasons ; it is so much lighter and stronger, and not so liable to get out of repair, and also for comfort in wearing. It is not like the hard wooden leg I had from Selpho. I had not worn the Selpho leg over three weeks before it broke so bad it could not be repaired. I then came to you and got the one I now have, and am perfectly satisfied with it. I advise all who want limbs to call on you.

Yours, truly,

D. F. MEISSNER.

RICHMOND, VA., February 13, 1866.

DOCTOR MONROE :

*Dear Sir*—I am happy to inform you that I can recommend your leg. I am greatly pleased with your raw hide artificial leg ; it is a great comfort to me. I like it because it fits so well and does not make a noise in walking. I am well satisfied with the leg, therefore I would advise all who wish an artificial leg to take yours. I recommend it to all who may be so unfortunate as to need one. I am sure they will not be disappointed.

Yours, very truly,  
JAMES PAGE.

---

NEW YORK, March 20, 1866.

MESSRS. MONROE & GARDINER :

I desire to say to you that the artificial raw-hide leg you made some five months since, for my son, now about ten years old, works like a charm. He has worn it constantly and without inconvenience. I was fearful at the time he lost his leg that he would always have to use crutches, or at least until he got his growth ; but you have entirely overcome that difficulty. I have no doubt as the boy grows the leg can be lengthened with little expense, so as to last him several years without getting a new one. I think so much of your limbs (were I able to incur the expense), I would advertise them in the papers,

LEVI AARON,  
20 Oliver Street, N. Y.

---

ROXBURY, March 18, 1866.

MESSRS. MONROE & GARDINER :

It is with pleasure and from a sense of duty I owe you I write this. The leg you made for me works well. The fit is a good one. I have worn it about three months and have traveled forty miles each week during the time without the slightest irritation. It is hardly perceptible to strangers (with the help of a cane) that I have an artificial leg. In conclusion, allow me to thank you for what you have done for me, hoping that prosperity may be yours.

Yours, truly,  
L. SHULTS.

---

AMPUTATION AT THE ANKLE JOINT, CALLED SYME'S AMPUTATION.

BROOKLYN, N. Y., February 19, 1866

MESSRS. MONROE & GARDINER :

I have the honor to address you concerning the artificial leg you made for me. Since I have had the pleasure of wearing your raw hide leg I have been greatly relieved. I have been wearing a Selpho leg—it is so heavy and bungling I have often gone on my crutches rather than put on that leg of wood. I consider yours far superior to the Selpho leg in every respect. In wearing yours I am relieved of one and a quarter pounds weight, which is a great item. I can walk

with more ease and do any kind of work. I am not afraid when I go out of breaking down, as I was with the Selpho leg. I feel it my duty to highly recommend it to all who are unfortunate enough to be obliged to wear an artificial leg. My leg was amputated at the ankle joint.

Yours, respectfully,

EDWARD R. COVELL,  
182 East Warren Street, Brooklyn.

---

BALLSTON SPA, April 9, 1866.

DR. MONROE :

*Dear Sir*—Having worn one of your artificial raw-hide limbs for the last six months, I write to let you know my experience therewith. My right leg is amputated above the knee, leaving a stump about six inches long. For a number of years I walked on a crutch. My first essay of walking on an artificial limb was with one of the Palmer's Patent ; and here let me say, that Palmer's limbs, at the time of their invention, were the only ones worthy of being dignified with the name, and were not this an age of invention, they might still claim that prominence, but as it is, they are behind the times. Being made of wood, they are heavy, and require a person of strong constitution to stand the pressure ; and then again, from the manner of their fastening, they are continually getting out of order, so that if a person has one of them he needs two equally as much in order to keep one at the maker's for repairs. All these objections, I think, are done away with in the article you manufacture, as I believe mine is just as firm to-day as the day I put it on, and the method of attachment renders the stump, at all times, easy and complete ; and my advise to all situated as I am, is to be sure, in procuring an artificial limb, to procure one of Monroe's Patent in preference to all others ; and another thing of a good deal of consequence in this age of speculation and competition, you will find Messrs. Monroe & Gardiner men of reliability and candor, who will make good all their promises.

Respectfully, yours,

PERRY BURNHAM.



BALLSTON SPA, Oct. 8, 1866.

Messrs. MONROE & GARDINER:

Yours of the 28th ult. I received on Saturday evening. I am glad you got Hall's measure, and to hear of your prosperity in business, &c. I have now worn the leg you made for over a year, and am glad that I am able to bear testimony to their superior merits, as I do most sincerely believe them the best artificial limb in existence, for many reasons, the main of which are the following: 1. Their great strength and durability; being made of raw hide, you can tumble them about as you would an old boot, without injury, and during the year I have worn mine it has needed no repairs beyond what I was able to do myself; and this is one of their great merits, that it does not need a practical machinist to repair them. 2. The ease with which I can walk. Before I wore one of your limbs I used to have the blues at the prospect of walking half a mile and back, now I can do so with comfort. And here let me say, for 15 years I wore one of Palmer's Patent. I had some fears before wearing your limb that the perspiration would soften the raw hide, but such is not the case, mine is harder now than when first I put it on, and the Socket being a separate piece by itself, attached to the top of the limb, and of the same substance, it adapts itself to the exact form of the stump by wearing, so that it is as easy as a glove.

Gentlemen, I for one thank you for your invention, and I would advise all who are compelled to avail themselves of artificial aid in walking to procure your limb in preference to any other which I know of.

Respectfully yours,  
PERRY BURNHAM.

---

PHILADELPHIA, Oct. 9, 1866.

Messrs. MONROE & GARDINER:

Sirs: I would state to all whom it may concern that in wearing a pair of your imperishable raw hide legs for two months past I have experienced entire satisfaction, both for lightness, comfort, gracefulness, and all important points necessary to a pair of artificial legs. Walking with or without a cane, carrying some twenty or thirty pounds of dry goods for six or eight squares, as necessity requires in my business every day, I have tested the durability of the same, and I have worn six other kinds of artificial legs previous to wearing yours. Having worn artificial legs for the space of twenty-eight years, I would say that all other legs stand second rate in my estimation, and I am willing to give my earnest endeavors in bringing this valuable invention before the world. I will also state my experience is, that for honesty of purpose, honor and reliability, Messrs. Monroe & Gardiner come up to my desires, and implicit confidence may be placed in all their statements. My residence is 731 Spring Garden Street, Philadelphia. Any one wishing further particulars will be kindly answered at my earliest convenience in reference to the matter.

Yours, very respectfully,  
AARON ALEXANDER MANN.

---

SOLDIERS' HOME, WASHINGTON, D. C., October 18, 1866.

Messrs. MONROE & GARDINER:

DEAR SIRS: It is with pleasure unbounded I communicate to you the inestimable benefit which I received at your hands, in the raw hide support which you made for me. Before this blessing was in my possession I was not able to stand or walk without great difficulty and incessant pain. The wound on my left leg was a compound fracture of the knee joint, which rendered me quite dependent upon others until I received your artificial support. But now, thank God, I can walk with all ease, I was led from the Soldiers' Home to Washington last Thursday, which is proof positive of the utility of the apparatus, and I would cheerfully recommend those who have suffered in the same manner with me to try your improved raw hide artificial support. There are ample reasons for its superiority over all others of the kind, and I will name a few: 1st. Its simplicity to adjust. 2d. Its durability and utility. 3d. The mechanical workings and the inverse lacings as its attachments in the nether part of the leg. These are only few of the many reasons ascribed.

Hoping, Sirs, you will be successful in your good work for the mutilated and unfortunate soldiers of the Union. To conclude, I candidly say, that I can venture on a walk of 20 miles with your support without the least fear of failure or breaking down in the attempt. Gents, accept my sincere thanks for the greatest earthly blessing I ever possessed.

Respectfully your,  
THOMAS PRICE,  
Late of Battery G, 5th U. S. Artillery.



SOUTH KORTRIGHT, Delaware Co., N. Y.

MESSRS. MONROE & GARDINER :

*Gents*—The leg you made for me some fifteen months since, I have worn every day since with a perfect success. Weighing over 250 pounds, I feared there could not be a leg made that could stand the pressure, but it seems I was mistaken, for mine is as perfect, to all appearance, as when it was first made, and no trouble (except an occasional oiling of the joints) and have not been to any expense since I have worn it. It is light and strong, and the material from which it is made is perfectly apparent cannot be equalled by any other material in use. I therefore most cheerfully recommend the use of your raw hide leg to those who are so unfortunate as to lose a limb.

I am, gentlemen, very respectfully,

DEWITT C. THOMAS.

---

IRVINGTON, January 10th, 1867.

MESSRS. MONROE & GARDINER :

*Gentlemen*—I have worn the raw hide leg you made for me the last three months, and I think that it is the best leg that is made. I am a carpenter by trade, and I walk three miles to my work every morning and back at night. I have worn one of Palmer's patent for five years, but it was never so easy and comfortable as the raw hide leg, and my advice to all situated as I am, is to be sure in procuring an artificial limb to procure one of Monroe's patent in preference to all others.

Respectfully yours,

CHARLES LESTER, Jr.

---

January 12th, 1867.

MESSRS. MONROE & GARDINER :

*Dear Sirs*—I have been using one of your limbs for over a year now, and think it the most comfortable I have ever worn. I have had two of Selpo's, one of Ord's and two of Palmer's, and prefer yours to any. It is lighter and more convenient, and the attachment is a very great and valuable improvement. I can walk farther with less fatigue than with any limb I have ever had.

With many thanks, I remain, yours truly,

C. T. DAVIS.

---

UTICA, December 13, 1866.

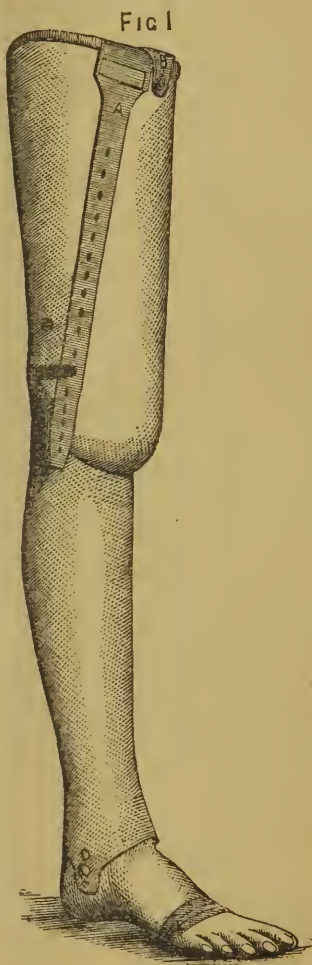
I have examined the artificial limbs manufactured by Monroe & Gardiner, and consider them the best of anything yet invented, for the various uses to which they may be applied.

H. B. DAY, M. D.







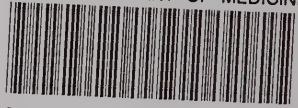








NATIONAL LIBRARY OF MEDICINE



NLM 03278329 4

ARMY  
MEDICAL LIBRARY